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# Example of Satellite Systems Engineer Job Description

Our company is looking to fill the role of satellite systems engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for satellite systems engineer

* Support development of entrance, exit, and success criteria, traceability/ verification of all requirements
* Provide subject matter expert-quality technical/operational support and guidance to the government, including technical analysis and recommendations across potential architectures, proofs of concept, prototype development, and requirements development
* Support the Government PM/COTR in coordinating and establishing SOW objectives, reviewing contractor proposals for acquisitions, defining/drafting Task Agreements and interagency Agreement objectives, developing RFPs for contract ECPs
* Assist the Government in preparing materials/briefings in support of periodic reviews such as PMRs and the MID Board
* Provide orbital analyst expertise to ensure spacecraft/payload system health and status
* Coordinate mission requirements with the operations team to ensure all program commanding and telemetry requirements are met
* Brief management and the customer on orbital analysis products, reports, and issues
* Perform short and medium term orbital analysis and participate in long term operations planning
* Produce daily/weekly orbital products for operations team members
* Perform all orbit related tasks to include orbit determination using GPS and AFSCN tracking observables

## Qualifications for satellite systems engineer

* 7 years minimum experience as an Orbit Engineer or performing Orbit Engineer related activities within the last 10 years
* Expertise in the Mission Analysis and Design areas
* Expertise to translate mission requirements to software requirements in order that software engineers can develop/modify ground system software
* Must posses the ability to locate effectively and efficiently those locations in the ground systems software code where a software resolution is required or an improvement can most expediently be inserted
* Capable of defining Defense Satellite Communications System (DSCS) III Operational Database changes and/or modifications and the corresponding Housekeeping and Anomaly Program (HAP) procedures
* Demonstrate knowledge of the system engineering life cycles, tools, processes